

## Appendix E. Arizona's Water Quality Protection Programs

PROGRAM	AGENCY	PROGRAM DESCRIPTION	FURTHER INFORMATION (602) 771-2300 (Toll free instate 1-800-234-5677)
<b>Ambient Monitoring and Assessments</b>	ADEQ, ADWR, USGS, AGFD, and more	ADEQ monitors surface and ground water, sediment, animal tissue, habitat, and biological communities to assess water quality as required under the federal Clean Water Act and state statutes. Surface water quality standards are reviewed and revised in a 3-year cycle.	Ground water monitoring (602) 771-4563 Planning List monitoring (602) 771-4468 Surface water monitoring (602) 771-4219 Surface water standards (602) 771-4219 Assessments (602) 771-4545
<b>Biosolids (Sludge) Management</b>	ADEQ	The use and disposal of sludge from wastewater treatment plants are monitored as established in NPDES permits. Land application of biosolids is regulated under Arizona Administrative Code R18-9-1001 through 1014 (adopted 1996). (See Aquifer Protection Permits)	ADEQ (602) 771-4132
<b>Border Issues (U.S/Mexico Transboundary Water Quality Projects)</b>	ADEQ EPA IBWC	This program conducts water quality studies, follows up transboundary water quality issues, provides hydrological support to the ADEQ border infrastructure projects, and provides general ADEQ Water Border Program coordination in the Arizona-Sonora border area.	ADEQ (602) 771-4409 EPA IBWC
<b>Aquifer Protection Permit (APP)</b>	ADEQ	The APP Program is Arizona's cornerstone program for protecting ground water quality. Any facility that discharges directly into an aquifer or onto the land surface in a manner that could pollute an aquifer must operate in accordance with an Aquifer Protection Permit. General permits cover many categories of less significant and often numerous discharging activities (e.g., most septic tank and leach field systems). However, large discharging facilities, such as mines, industrial facilities, and most wastewater treatment plants require an individual APP.	ADEQ (602) 771-4675
<b>Capacity Development Program</b>	ADEQ	This new program (rules approved in 1999) requires that newly proposed water systems demonstrate their ability to operate in compliance with the Safe Drinking Water Act before receiving approval to commence operation. The purpose of the rules is to help ensure that a viable water system will be formed. (See also Safe Drinking Water)	ADEQ (602) 771-4398
<b>Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)</b>	EPA, ADEQ, ADWR	CERCLA is commonly referred to as the federal Superfund Program. Administered by ADEQ, it establishes a comprehensive response program for past hazardous waste activities. Funding and enforcement authority provides for long-term remediation of inactive sites. (See also WQARF Program.)	ADEQ(602) 771-4227 EPA (415) 744-2345 ADWR (602) 417-2400
<b>Construction Grant and State Revolving Fund (SRF)</b>	EPA, ADEQ	This program allocates financial assistance to construct publicly owned waste treatment works and nonpoint source prevention facilities. The State Revolving Fund replaced the federal Construction Grants program. Indian Nations are also eligible for funds.	ADEQ (602) 771- 4703
<b>401 Certification and 404 Permits</b>	ADEQ US Army Corps of Engineers	Under the federal Clean Water Act sections 401 and 404, a federal "dredge and fill" permit is required for modification of a stream channel or lake. ADEQ certifies that the modification activities will maintain surface water quality standards.	ADEQ (602) 771-4502 US Army Corps of Engineers (602) 640-5385
<b>Hazardous Waste Management Program</b>	ADEQ	Under Arizona's Hazardous Waste Management Act and the Federal Resource Conservation and Recovery Act (RCRA) permits are issued for treatment, storage, and disposal of hazardous wastes. Each facility must meet standards set to prevent releases to the environment and minimize health risks. ADEQ is working with industry and government to find new ways of reducing waste streams and minimizing the volume and toxicity of hazardous waste.	ADEQ (602) 771-4103

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<b>National Pollutant Discharge Elimination System (NPDES)</b>	EPA, ADEQ	This programs goal is to ensure Arizona's surface water quality is not compromised by discharges from various sources, especially industrial and municipal wastewater treatment discharges and stormwater runoff. Permits control the amounts of pollutants entering surface waters. The program is coordinated with EPA, which issues all permits. Typically, ADEQ drafts the permit and certifies that the permit meets all state environmental requirements prior to sending it to EPA for issuance.	EPA ADEQ wastewater (602) 771-4665 ADEQ stormwater (602) 771-4574
<b>Nonpoint Source Program</b>	ADEQ	Nonpoint source activities are guided by the state's nonpoint source management plan. Best Management Practices have been adopted by rule for irrigated agriculture and concentrated animal feeding operations, and Best Management Practices guidance has been developed for many other activities. Aquifer Protection Permits are required for many nonpoint source activities.	ADEQ (602) 771-4509
<b>Pesticide Prevention Program</b>	ADEQ, AZ Dept. of Agriculture	Arizona's Pesticide Contamination Prevention Program works to prevent or eliminate water contamination from routine agricultural pesticide use. All agricultural pesticides must be registered and approved for use in Arizona. Information from the registration process is used to generate the Ground Water Protection List.. This list has been used to direct soil, surface and ground water monitoring.	ADEQ (602) 771-4419 Dept. Of Ag. (602) 542-0993
<b>Pollution Prevention Program (Pretreatment)</b>	ADEQ	The program helps Arizona's large hazardous waste generators and toxic substance users reduce waste production, toxic substance use, and environmental releases.	ADEQ (602) 771-4235
<b>Poor Quality Groundwater Withdrawal Permit</b>	ADWR	Permits may be issued for non-irrigation use if the ground water has no other beneficial use and withdrawal is consistent with the Active Management Area's management plan. Permits are issued in conjunction with CERCLA, WQARF, or Underground Storage Tank programs for water treatment.	ADWR 417-2400
<b>Reuse Permits</b>	ADEQ	This program regulates facilities which provide wastewater for reuse. The permits specify the amounts of effluent to be reused and its chemical quality.	ADEQ (602) 771-4687
<b>Safe Drinking Water</b>	ADEQ	Public water supplies are required to monitor the quality of their water and to provide drinking water that meets state and federal drinking water standards. (See Source Water Assessment and Capacity Development Program)	ADEQ (602) 771-4425
<b>Septic System Permits</b>	County Health Depart., ADEQ	Under state statutes and county regulation, the construction and repair of all septic tanks and leaching systems must be approved.	ADEQ (602) 771-4697 Appropriate County Health Department
<b>Solid Waste Management</b>	ADEQ	Under the State's Solid Waste Management Act and federal RCRA, ADEQ reviews and approves: construction of solid waste management facilities, agricultural application of sewage sludge, and temporary facilities for the treatment of petroleum contaminated soils. (See Aquifer Protection Permits)	ADEQ (602) 771-4132
<b>Source Water Assessment</b>	ADEQ	The Source Water Assessment Program, established under the federal Safe Drinking Water Act, provides an inventory of major land use activities adjacent to Public Water Systems. This information will be useful at the local level for making planning and zoning policy decisions to protect water quality for these water supplies. (See Safe Drinking Water)	ADEQ (602) 771- 4425
<b>Total Maximum Daily Loads (TMDLs)</b>	ADEQ	This program address polluted waterbodies through the identification and listing of all impaired waters, the identification source contributions, the establishment of a total maximum daily load for each stressor so that standards are met, and the implementation of a TMDL reduction program.	ADEQ (602) 771-4468
<b>Underground Injection Control and Stormwater Drywell Registration</b>	ADEQ EPA	A permit is required for any "well" which would inject wastewater or stormwater into the ground, including drywells and septic tanks. (See Aquifer Protection Permits)	ADEQ (602) 771-4686

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<b>Underground Storage and Recovery Projects</b>	ADWR ADEQ	ADWR issues permits for underground storage and recovery projects. ADWR coordinates with ADEQ to ensure that the project is consistent with water quality requirements as assessed under the Aquifer Protection Permit Program.	ADEQ (602) 771-4686
<b>Underground Storage Tanks (UST)</b>	ADEQ	The UST Program is to ensure the proper operation of underground storage tanks and prevent releases, locate and remediate leaking underground storage tanks, and ensure that tank owners and operators are financially capable of cleanup.	ADEQ (602) 771-4268
<b>Water Quality Assurance Revolving Fund (WQARF)</b>	ADEQ	The state WQARF program parallels the federal Superfund Program, providing funds for monitoring, risk assessment, matching funds, and remediating hazardous substances which may pose a hazard to "waters of the State." Mitigation of nonhazardous substances is also allowed under state statutes.	ADEQ (602) 771-4194
<b>Water Quality Management Planning/Watersheds</b>	ADEQ, local agencies	ADEQ coordinates water quality management planning in Arizona. Planning provides a mechanism to identify broader goals and strategies to solve water quality problems. ADEQ delegates authority and responsibilities to local agencies.	ADEQ (602) 771-4509
<b>Wellhead Protection</b>	ADEQ	A voluntary program to promote and support groundwater protection efforts by delineating and managing wellhead protection areas around public drinking water supply wells.	ADEQ (602) 771-4425
<b>Well Permits</b>	ADWR	Under state statutes, all wells must be registered, new wells must be approved prior to construction, well drillers must be licensed, a well drilling log must be submitted, and wells must be properly constructed, abandoned or capped.	ADEQ (602) 542-1581